

Scheme of
UNDERGRADUATE DEGREE COURSE

**Computer Science and Engineering
(Data Science)**



Rajasthan Technical University, Kota

Effective from session: 2022 – 2023



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme B.Tech. : Computer Science & Engineering (Data Science) 2nd Year - III Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	BSC	3CDS2-01	Advanced Engineering Mathematics	3	0	0	3	30	70	100	3
2	HSMC	3CDS1-02/ 3CDS1-03	Technical Communication/ Managerial Economics and Financial Accounting	2	0	0	2	30	70	100	2
3	ESC	3CDS3-04	Digital Electronics	3	0	0	3	30	70	100	3
4	PCC	3CDS4-05	Data Structures and Algorithms	3	0	0	3	30	70	100	3
5		3CDS4-06	Object Oriented Programming	3	0	0	3	30	70	100	3
6		3CDS4-07	Software Engineering	3	0	0	3	30	70	100	3
Sub Total				17	0	0					17
PRACTICAL & SESSIONAL											
7	PCC	3CDS4-21	Data Structures and Algorithms Lab	0	0	3		60	40	100	1.5
8		3CDS4-22	Object Oriented Programming Lab	0	0	3		60	40	100	1.5
9		3CDS4-23	Software Engineering Lab	0	0	3		60	40	100	1.5
10		3CDS4-24	Digital Electronics Lab	0	0	3		60	40	100	1.5
11	PSIT	3CDS7-30	Industrial Training	0	0	1		60	40	100	1
12	SODE CA	3CDS8-00	Social Outreach, Discipline & Extra Curricular Activities							100	0.5
Sub- Total				0	0	13					7.5
TOTAL OF III SEMESTER				17	0	13					24.5

L: Lecture, **T:** Tutorial, **P:** Practical, **Cr:** Credits

ETE: End Term Exam, **IA:** Internal Assessment

Office of Dean Academic Affairs
Rajasthan Technical University, Kota

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RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Teaching & Examination Scheme B.Tech. : Computer Science & Engineering (Data Science) 2nd Year - IV Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exm Hrs	IA	ETE	Total	
1	BSC	4CDS2-01	Discrete Mathematics Structure	3	0	0	3	30	70	100	3
2	HSMC	4CDS1-03/ 4CDS1-02	Managerial Economics and Financial Accounting / Technical Communication	2	0	0	2	30	70	100	2
3	ESC	4CDS3-04	Microprocessor & Interfaces	3	0	0	3	30	70	100	3
4	PCC	4CDS4-05	Database Management System	3	0	0	3	30	70	100	3
5		4CDS4-06	Theory of Computation	3	0	0	3	30	70	100	3
6		4CDS4-07	Data Communication and Computer Networks	3	0	0	3	30	70	100	3
Sub Total				17	0	0					17
PRACTICAL & SESSIONAL											
7	PCC	4CDS4-21	Microprocessor & Interfaces Lab	0	0	2		60	40	100	1
8		4CDS4-22	Database Management System Lab	0	0	3		60	40	100	1.5
9		4CDS4-23	Network Programming Lab	0	0	3		60	40	100	1.5
10		4CDS4-24	Linux Shell Programming Lab	0	0	2		60	40	100	1
11		4CDS4-25	Java Lab	0	0	2		60	40	100	1
12	SODE CA	4CDS8-00	Social Outreach, Discipline & Extra Curricular Activities							100	0.5
Sub- Total				0	0	12					6.5
TOTAL OF IV SEMEESTER				17	0	12					23.5

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